

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
 Data File : BP025318.D
 Acq On : 07 Aug 2025 17:53
 Operator : CG/JU
 Sample : Q2774-11DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 224DL

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/08/2025
 Supervised By :Jagrut Upadhyay 08/11/2025

Quant Time: Aug 07 18:11:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 06 06:41:44 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.802	152	250376	20.000	ng	0.00
21) Naphthalene-d8	10.572	136	1080260	20.000	ng	0.00
39) Acenaphthene-d10	14.419	164	688456	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	1331517	20.000	ng	0.00
76) Chrysene-d12	21.654	240	1314117	20.000	ng	0.00
86) Perylene-d12	25.030	264	1443865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.408	112	120275	7.726	ng	0.00
7) Phenol-d6	6.961	99	163466	7.979	ng	0.00
23) Nitrobenzene-d5	8.937	82	97440	4.997	ng	0.00
42) 2,4,6-Tribromophenol	15.925	330	59701	8.692	ng	0.00
45) 2-Fluorobiphenyl	13.031	172	260502	5.226	ng	0.00
79) Terphenyl-d14	19.942	244	374347	5.380	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.266	178	1530895	20.992	ng	99
72) Anthracene	17.360	178	295597	4.020	ng	98
73) Carbazole	17.631	167	180377	2.555	ng	99
75) Fluoranthene	19.342	202	3518070	41.671	ng	99
78) Pyrene	19.719	202	2920627	33.422	ng	99
81) Benzo(a)anthracene	21.636	228	1437856	16.465	ng	99
83) Chrysene	21.707	228	1613687	19.923	ng	98
87) Indeno(1,2,3-cd)pyrene	28.883	276	1168749	11.293	ng	# 92
88) Benzo(b)fluoranthene	23.971	252	2194991	25.395	ng	99
89) Benzo(k)fluoranthene	24.036	252	777650m	9.076	ng	
90) Benzo(a)pyrene	24.871	252	1472834	17.695	ng	99
91) Dibenzo(a,h)anthracene	28.965	278	255575	3.015	ng	96
92) Benzo(g,h,i)perylene	30.065	276	1129846	13.583	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

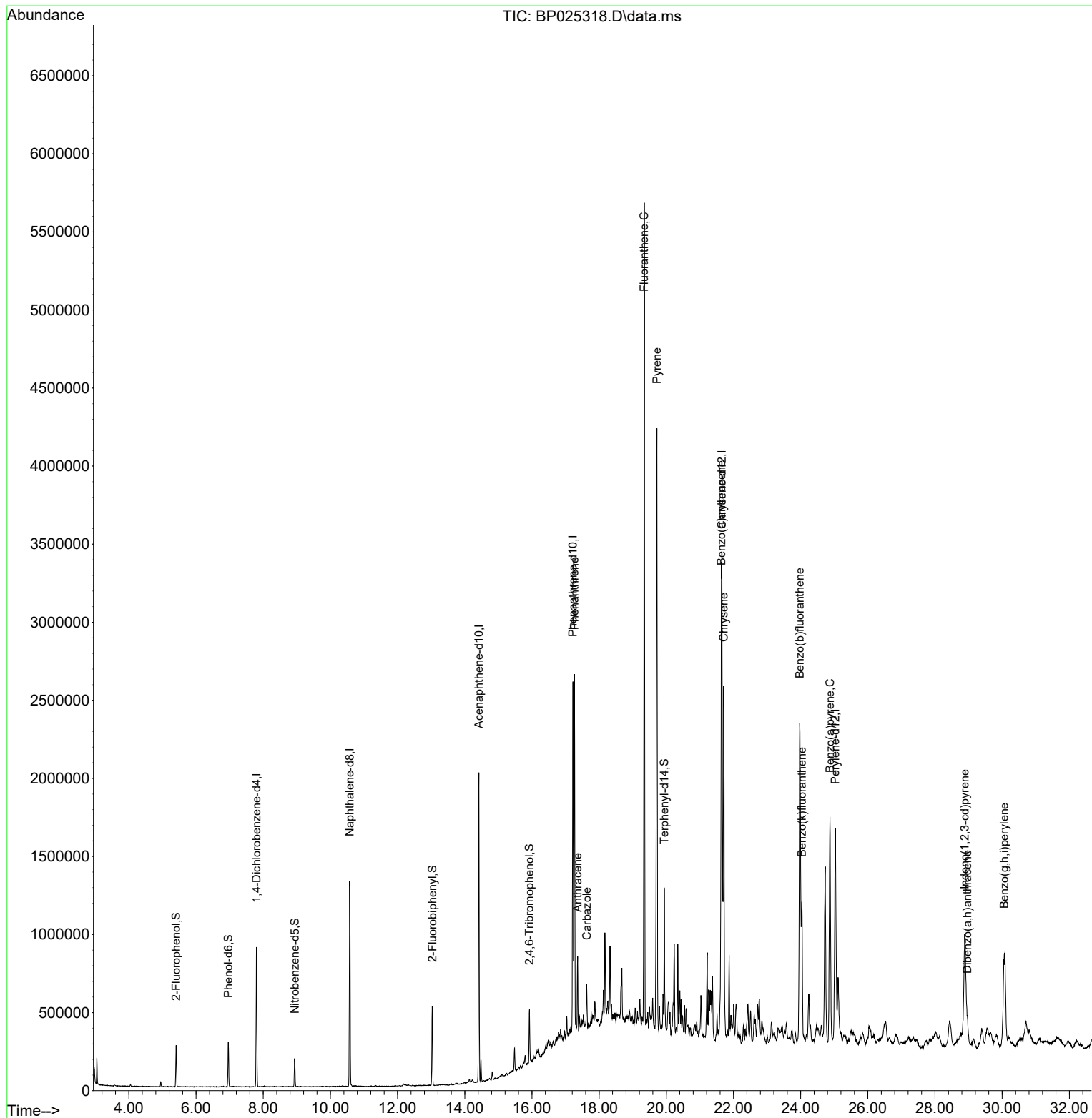
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP080725\
Data File : BP025318.D
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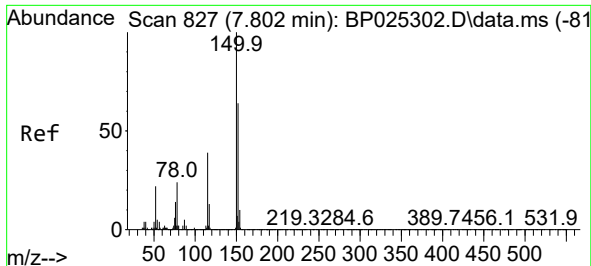
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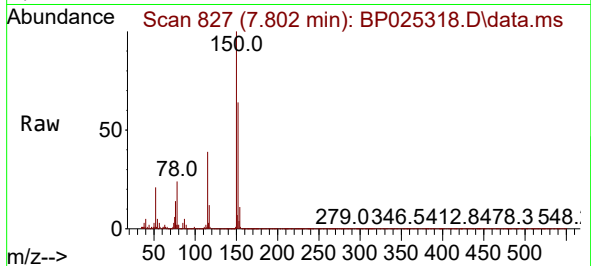
Quant Time: Aug 07 18:11:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP080525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 06 06:41:44 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.802 min Scan# 81
Delta R.T. -0.000 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

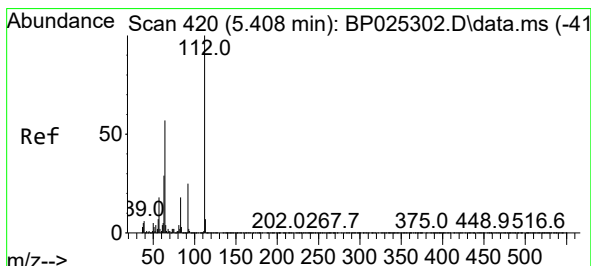
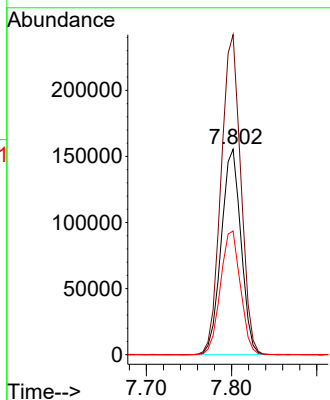
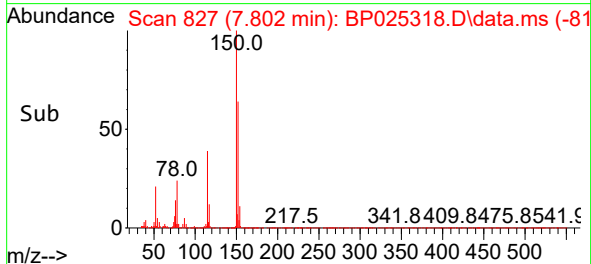
Instrument :
BNA_P
ClientSampleId :
224DL



Tgt Ion:152 Resp: 250370
Ion Ratio Lower Upper
152 100
150 155.7 125.1 187.7
115 60.2 48.4 72.6

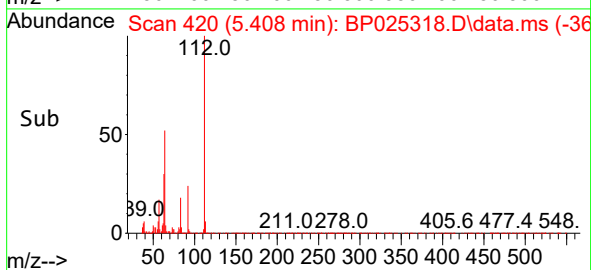
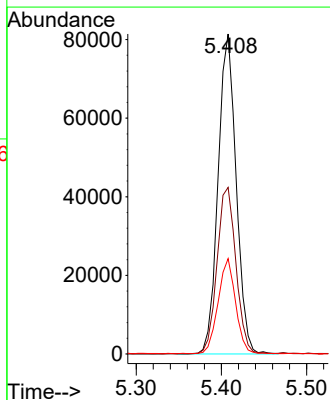
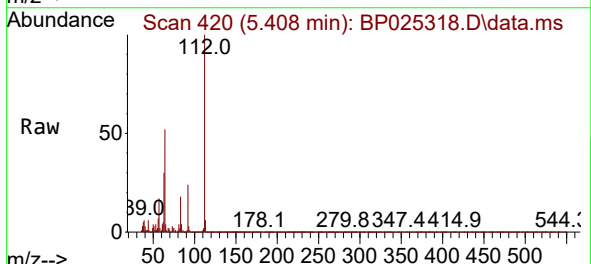
Manual Integrations
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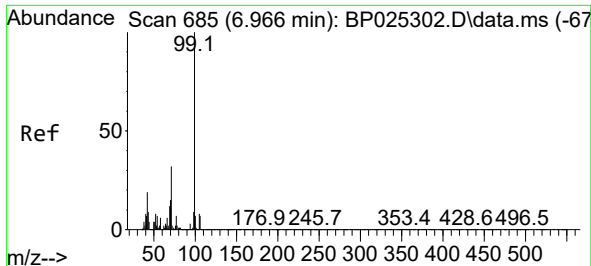
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#5
2-Fluorophenol
Concen: 7.726 ng
RT: 5.408 min Scan# 420
Delta R.T. -0.000 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

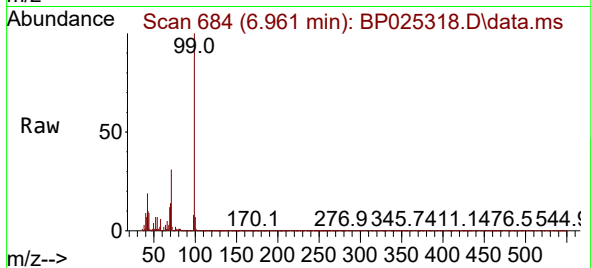
Tgt Ion:112 Resp: 120275
Ion Ratio Lower Upper
112 100
64 52.1 45.3 67.9
63 29.8 23.0 34.6





#7
Phenol-d6
Concen: 7.979 ng
RT: 6.961 min Scan# 61
Delta R.T. -0.005 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

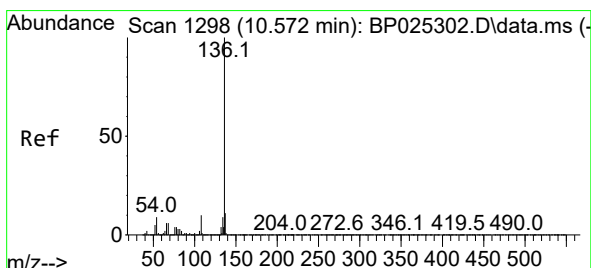
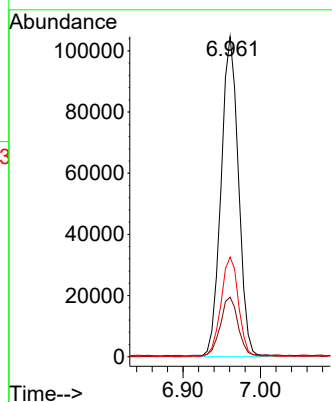
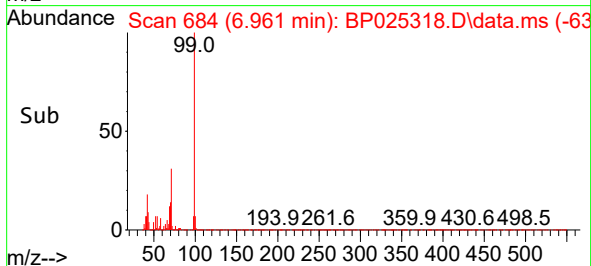
Instrument :
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ClientSampleId :
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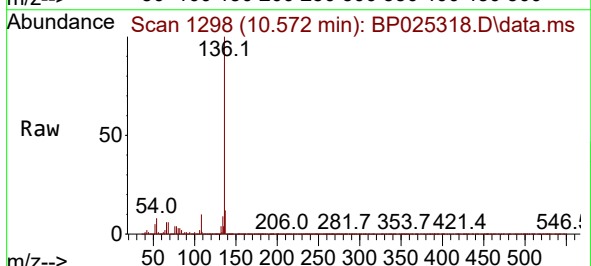
Tgt Ion: 99 Resp: 163460
Ion Ratio Lower Upper
99 100
42 18.6 15.0 22.6
71 31.2 25.5 38.3

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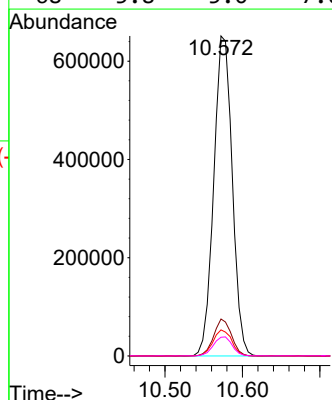
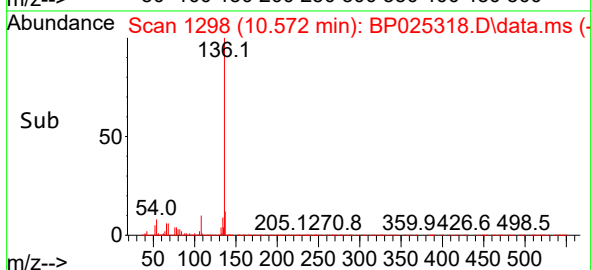
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025

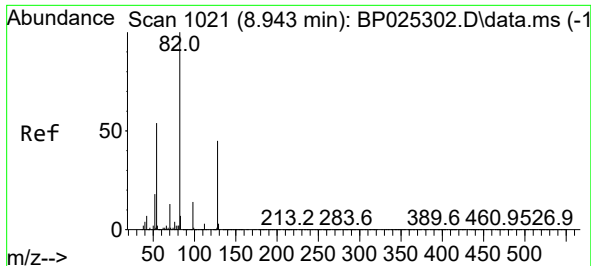


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.572 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53



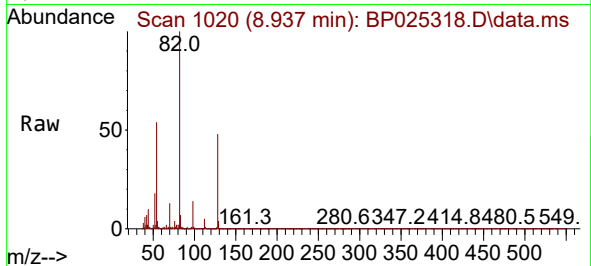
Tgt Ion:136 Resp: 1080260
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.2 7.0 10.6
68 5.8 5.0 7.6





#23
Nitrobenzene-d5
Concen: 4.997 ng
RT: 8.937 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

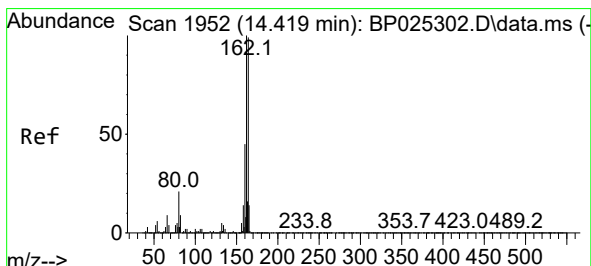
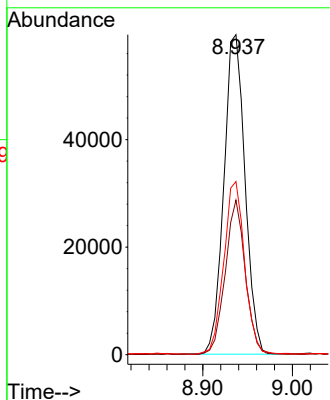
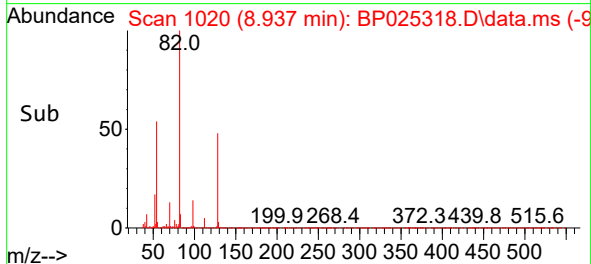
Instrument :
BNA_P
ClientSampleId :
224DL



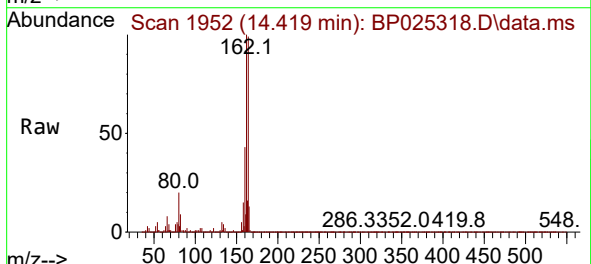
Tgt Ion: 82 Resp: 97440
Ion Ratio Lower Upper
82 100
128 48.3 35.4 53.2
54 54.1 42.9 64.3

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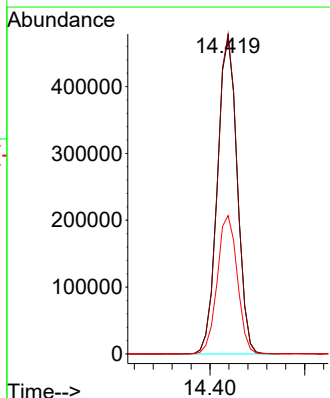
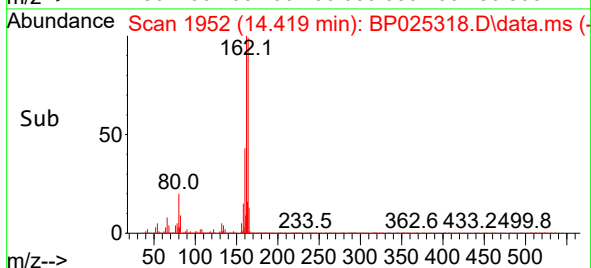
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025

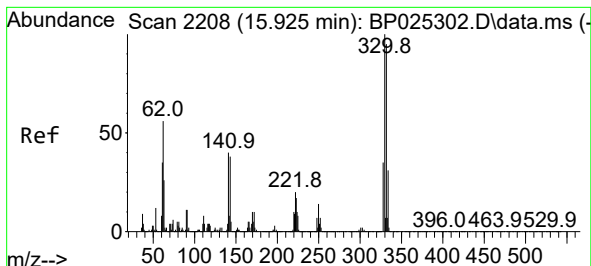


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.419 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53



Tgt Ion:164 Resp: 688456
Ion Ratio Lower Upper
164 100
162 101.3 80.6 120.8
160 43.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 8.692 ng

RT: 15.925 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Instrument :

BNA_P

ClientSampleId :

224DL

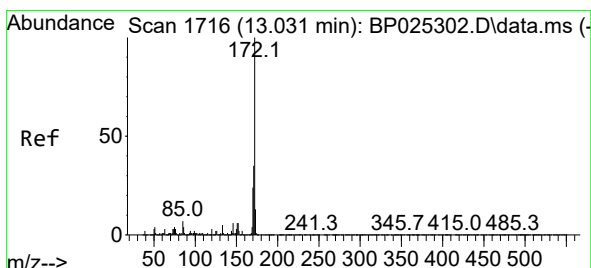
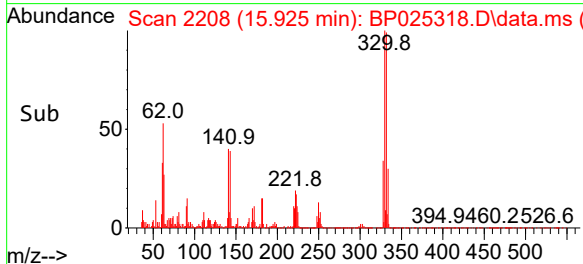
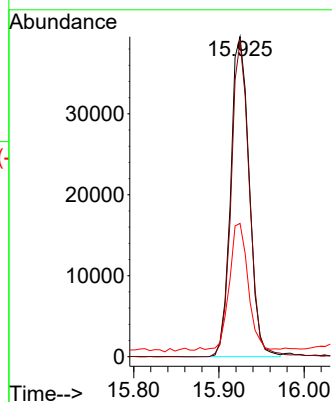
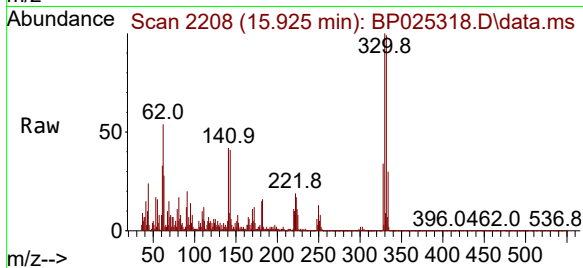
Tgt Ion:330 Resp: 5970
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.4 116.0
 141 39.8 31.7 47.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/11/2025



#45

2-Fluorobiphenyl

Concen: 5.226 ng

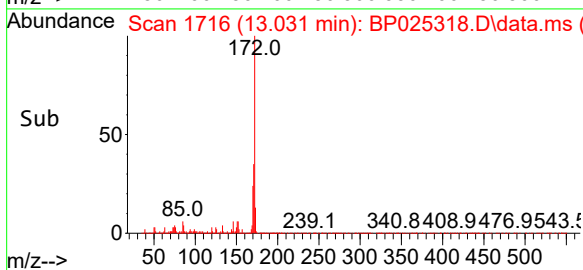
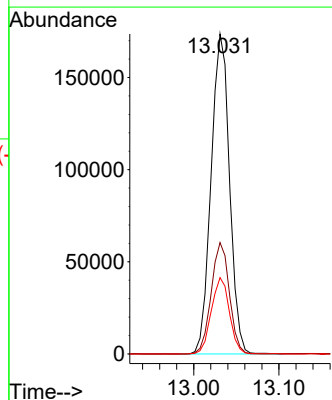
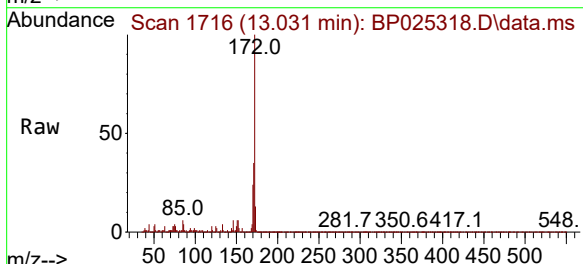
RT: 13.031 min Scan# 1716

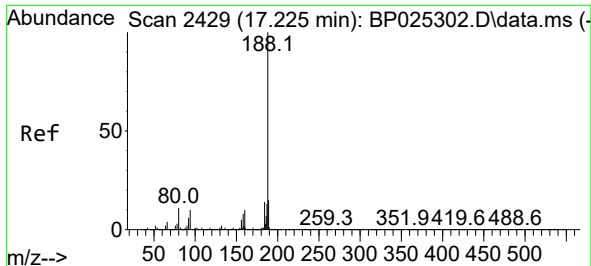
Delta R.T. -0.000 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Tgt Ion:172 Resp: 260502
 Ion Ratio Lower Upper
 172 100
 171 34.8 27.9 41.9
 170 23.9 18.9 28.3





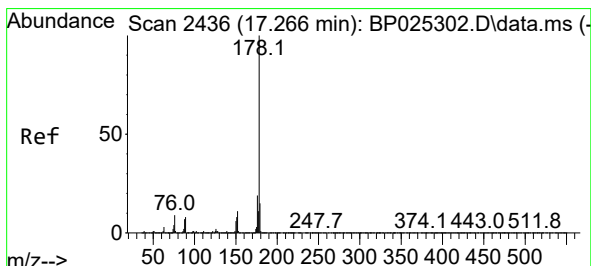
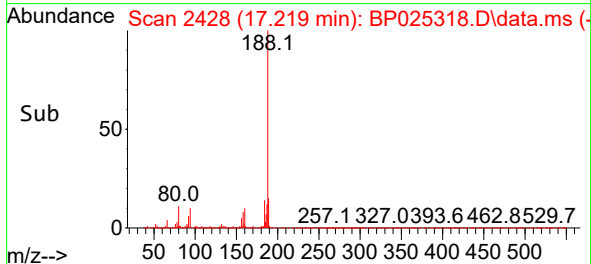
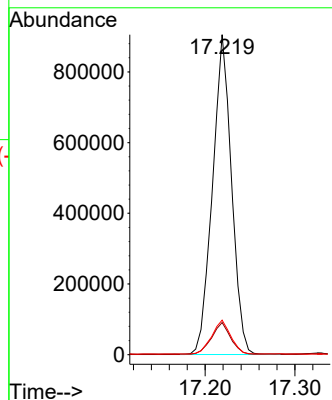
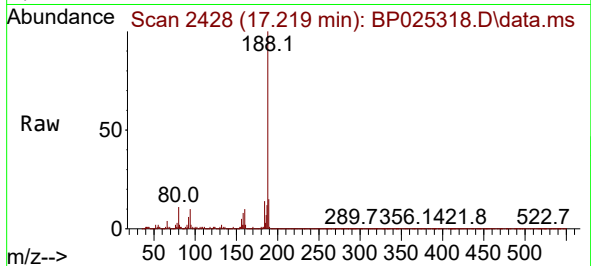
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.219 min Scan# 2428
Delta R.T. -0.006 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

Instrument :
BNA_P
ClientSampleId :
224DL

Tgt Ion:188 Resp: 133151
Ion Ratio Lower Upper
188 100
94 10.0 8.0 12.0
80 10.8 8.5 12.7

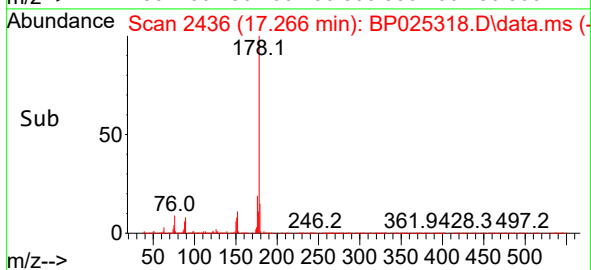
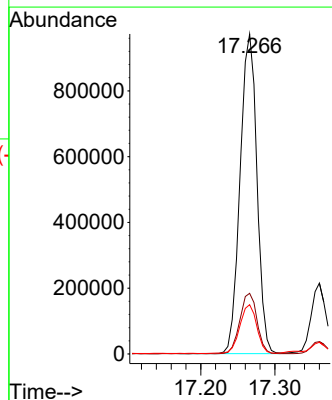
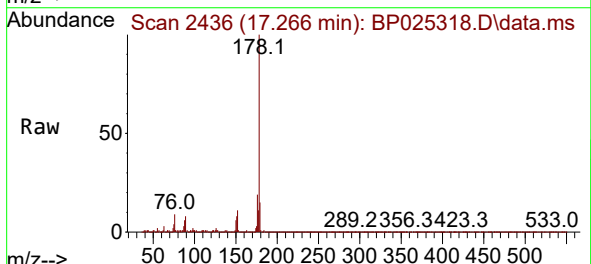
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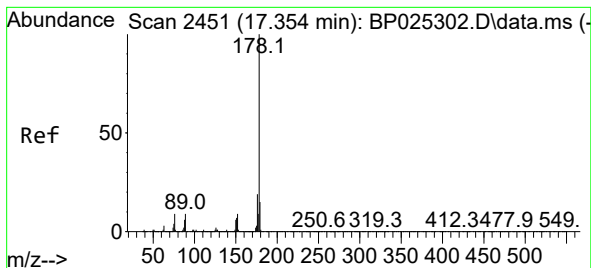
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#71
Phenanthrene
Concen: 20.992 ng
RT: 17.266 min Scan# 2436
Delta R.T. -0.000 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

Tgt Ion:178 Resp: 1530895
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.4 12.1 18.1





#72

Anthracene

Concen: 4.020 ng

RT: 17.360 min Scan# 2451

Delta R.T. 0.006 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

Instrument :

BNA_P

ClientSampleId :

224DL

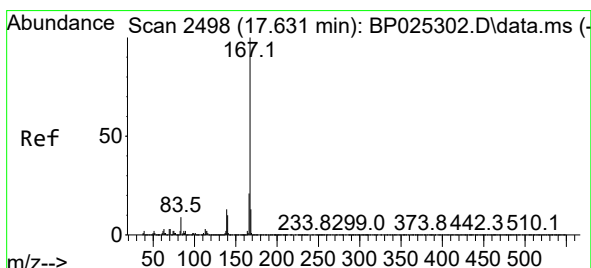
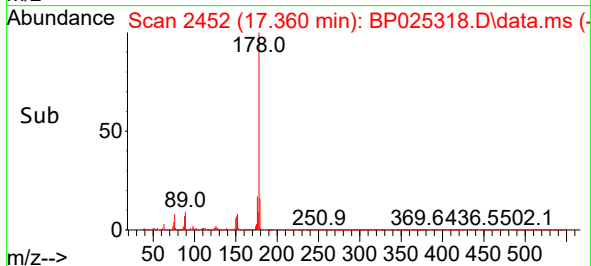
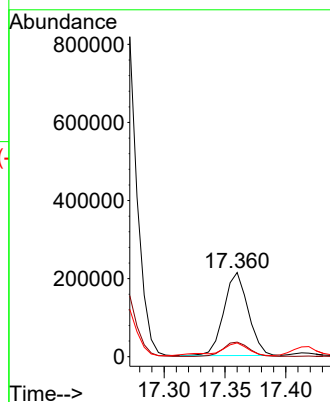
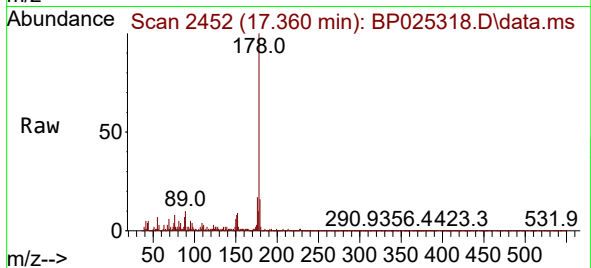
Tgt Ion:178 Resp: 295597
 Ion Ratio Lower Upper
 178 100
 176 17.4 14.8 22.2
 179 16.4 12.3 18.5

Manual Integrations

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#73

Carbazole

Concen: 2.555 ng

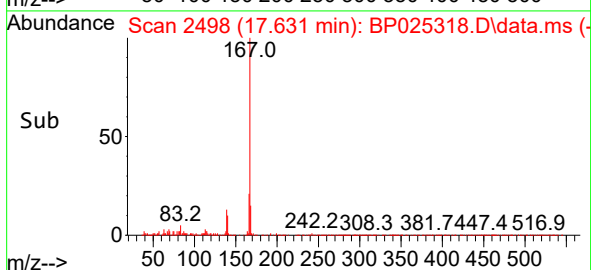
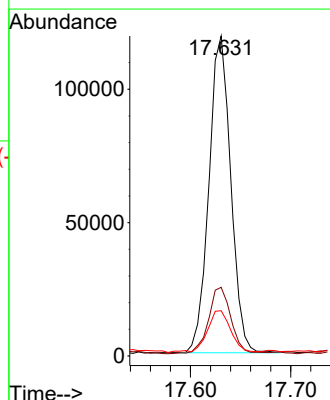
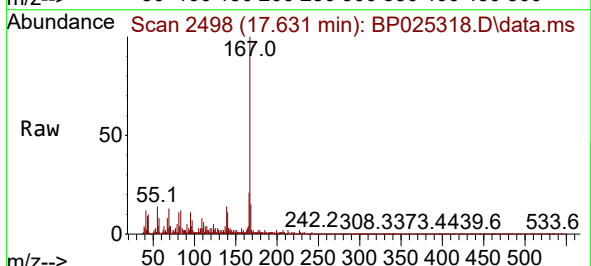
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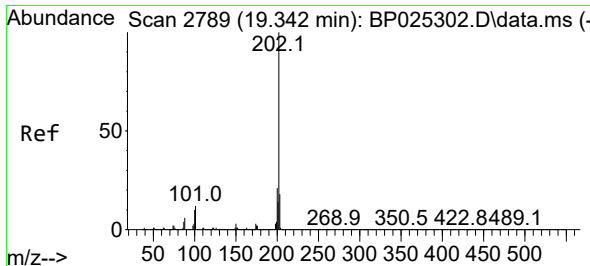
Delta R.T. -0.000 min

Lab File: BP025318.D

Acq: 07 Aug 2025 17:53

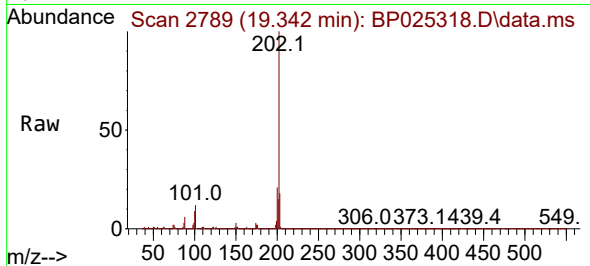
Tgt Ion:167 Resp: 180377
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 14.2 10.6 16.0





#75
Fluoranthene
Concen: 41.671 ng
RT: 19.342 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

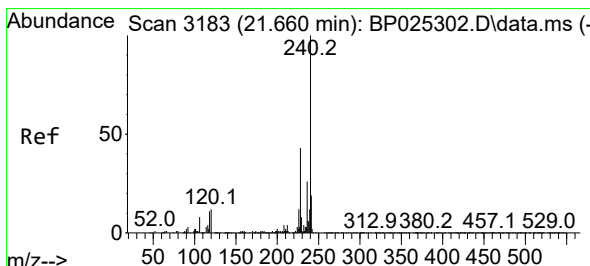
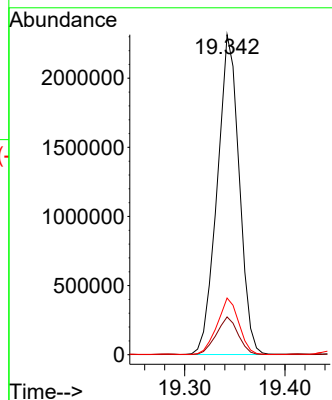
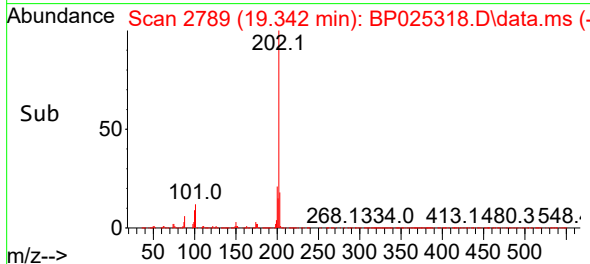
Instrument :
BNA_P
ClientSampleId :
224DL



Tgt Ion:202 Resp: 3518070
Ion Ratio Lower Upper
202 100
101 11.8 0.0 32.5
203 17.7 0.0 37.6

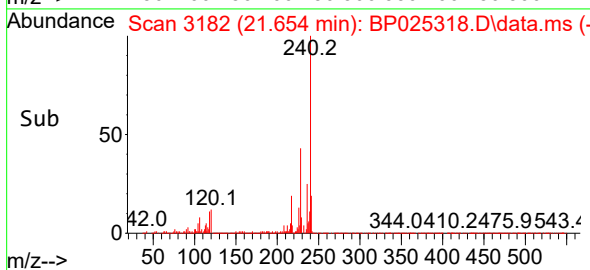
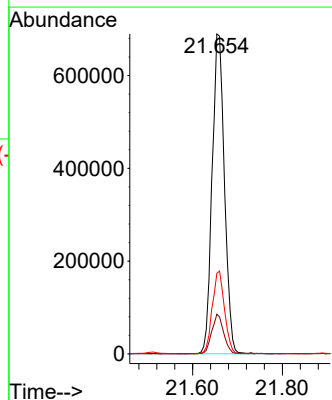
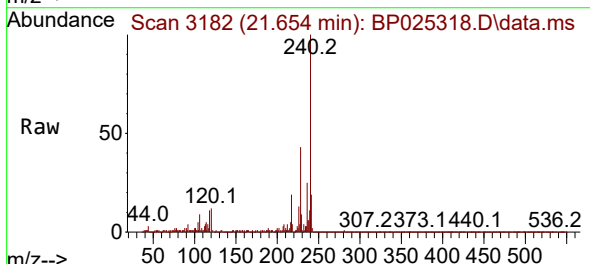
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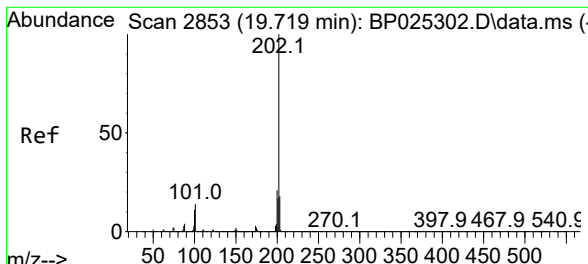
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.654 min Scan# 3182
Delta R.T. -0.006 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

Tgt Ion:240 Resp: 1314117
Ion Ratio Lower Upper
240 100
120 12.4 9.6 14.4
236 25.2 20.4 30.6





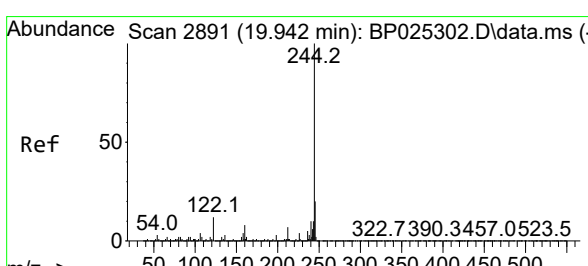
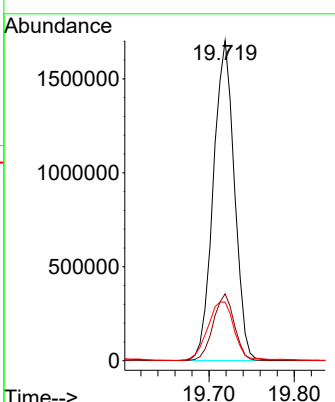
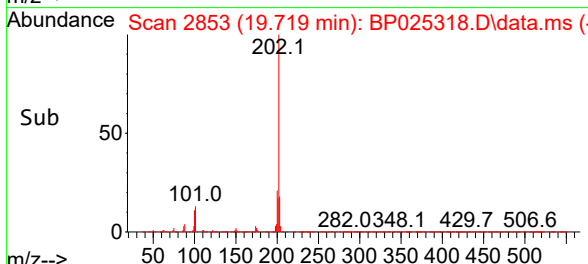
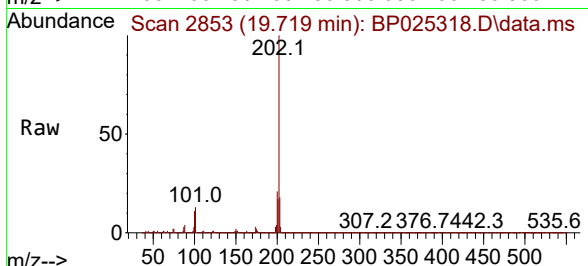
#78
 Pyrene
 Concen: 33.422 ng
 RT: 19.719 min Scan# 2853
 Delta R.T. -0.000 min
 Lab File: BP025318.D
 Acq: 07 Aug 2025 17:53

Instrument : BNA_P
 ClientSampleId : 224DL

Tgt Ion: 202 Resp: 292062

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.7	25.1
203	18.3	14.1	21.1

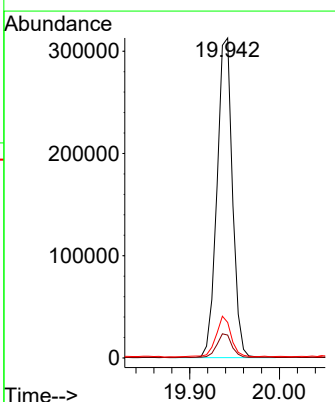
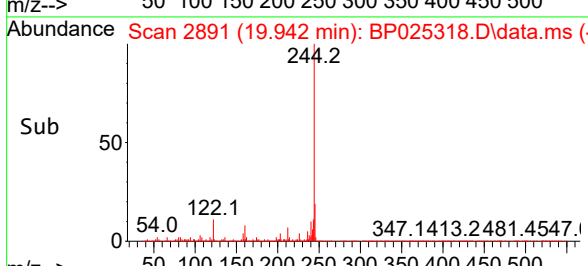
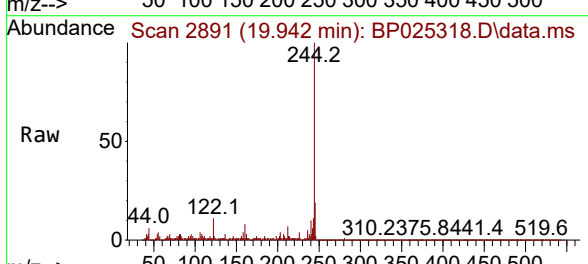
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 Supervised By :Jagrut Upadhyay 08/11/2025

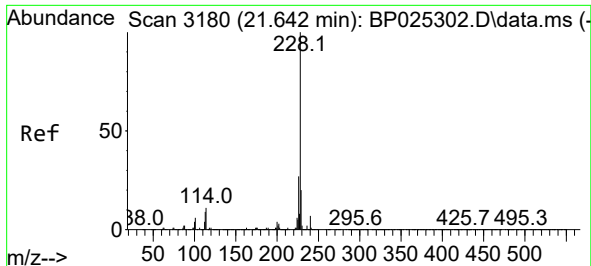


#79
 Terphenyl-d14
 Concen: 5.380 ng
 RT: 19.942 min Scan# 2891
 Delta R.T. 0.000 min
 Lab File: BP025318.D
 Acq: 07 Aug 2025 17:53

Tgt Ion: 244 Resp: 374347

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	11.1	9.5	14.3





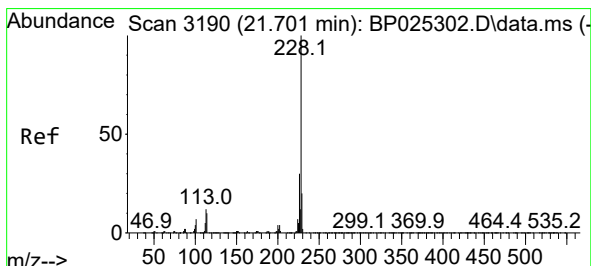
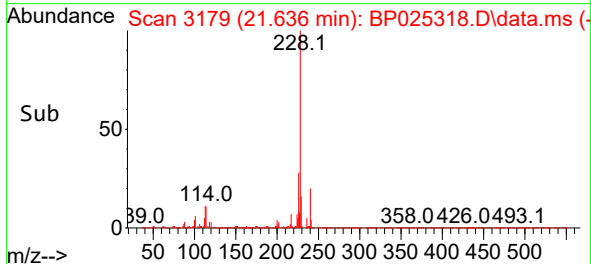
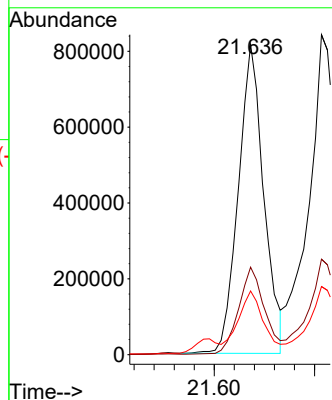
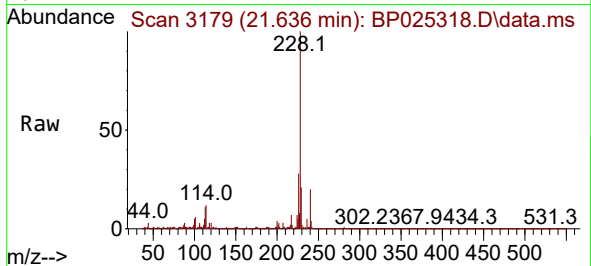
#81
Benzo(a)anthracene
Concen: 16.465 ng
RT: 21.636 min Scan# 3180
Delta R.T. -0.006 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

Instrument :
BNA_P
ClientSampleId :
224DL

Tgt Ion:228 Resp: 1437850
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 20.5 16.0 24.0

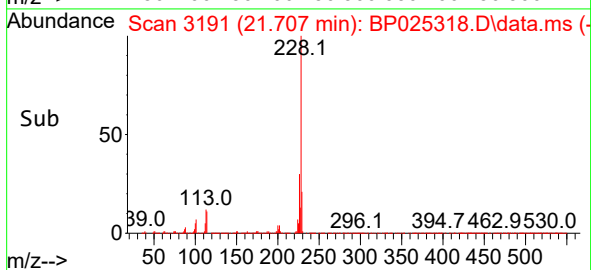
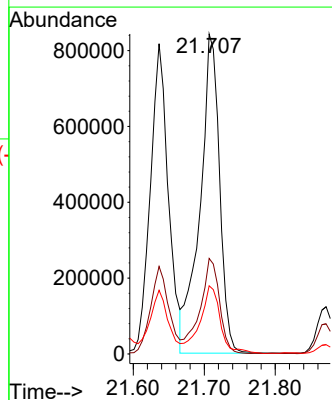
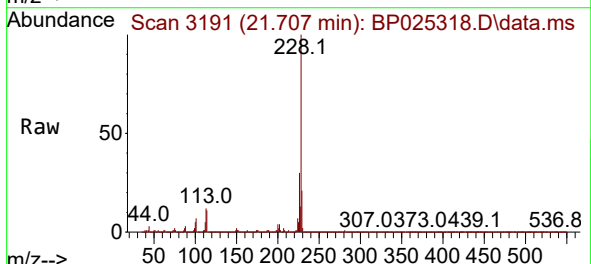
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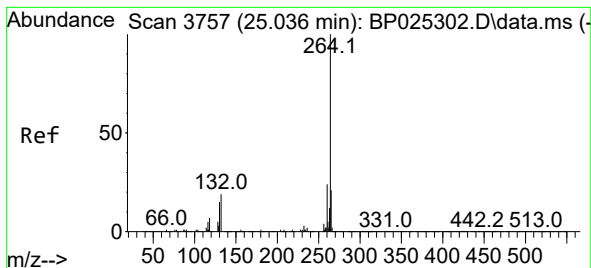
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025



#83
Chrysene
Concen: 19.923 ng
RT: 21.707 min Scan# 3191
Delta R.T. 0.006 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

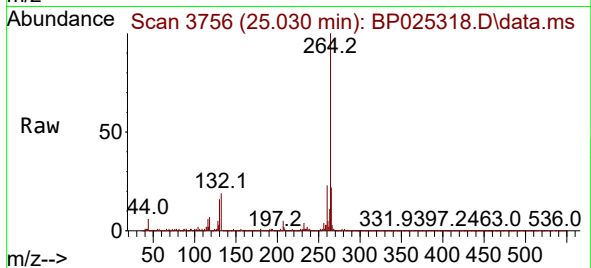
Tgt Ion:228 Resp: 1613687
Ion Ratio Lower Upper
228 100
226 29.8 24.3 36.5
229 21.3 15.9 23.9





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.030 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: BP025318.D
 Acq: 07 Aug 2025 17:53

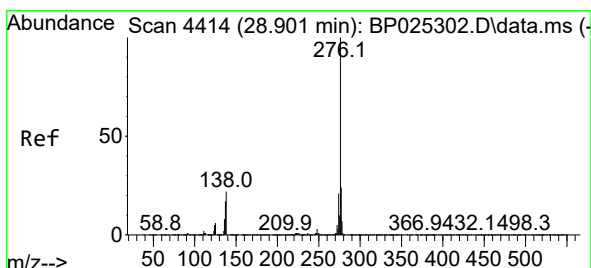
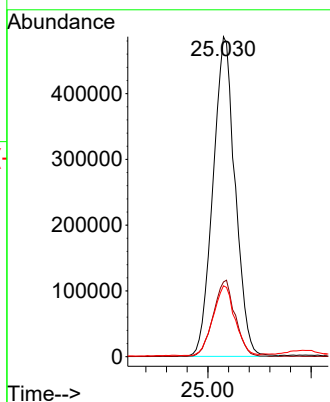
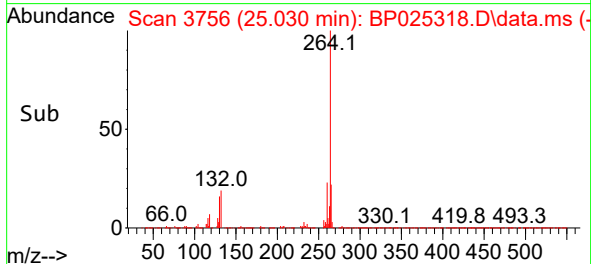
Instrument :
 BNA_P
 ClientSampleId :
 224DL



Tgt Ion:264 Resp: 144386
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 22.1 17.1 25.7

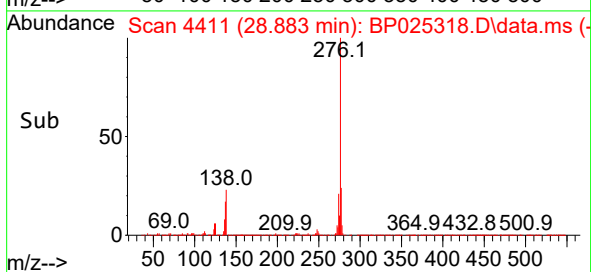
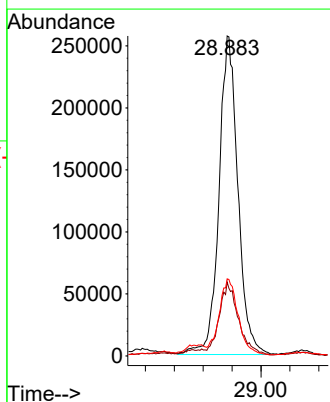
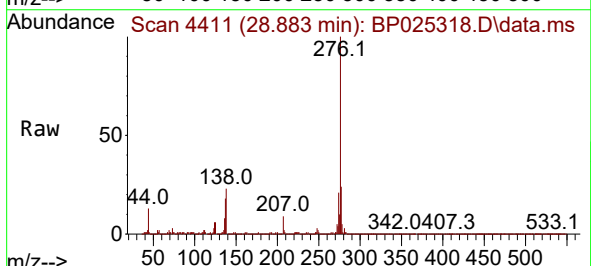
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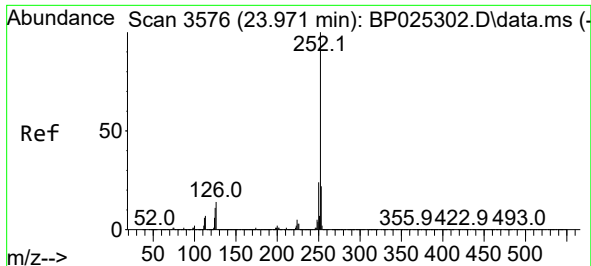
Reviewed By :Rahul Chavli 08/08/2025
 Supervised By :Jagrut Upadhyay 08/11/2025



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 11.293 ng
 RT: 28.883 min Scan# 4411
 Delta R.T. -0.018 min
 Lab File: BP025318.D
 Acq: 07 Aug 2025 17:53

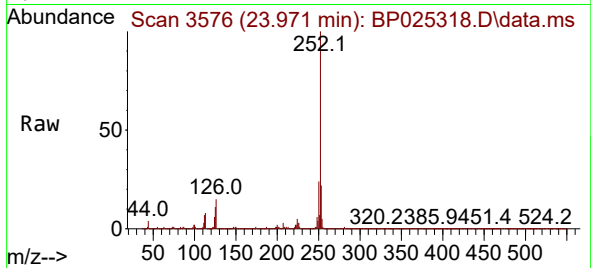
Tgt Ion:276 Resp: 1168749
 Ion Ratio Lower Upper
 276 100
 138 22.9 14.6 22.0#
 277 24.0 16.8 25.2





#88
Benzo(b)fluoranthene
Concen: 25.395 ng
RT: 23.971 min Scan# 3576
Delta R.T. 0.000 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

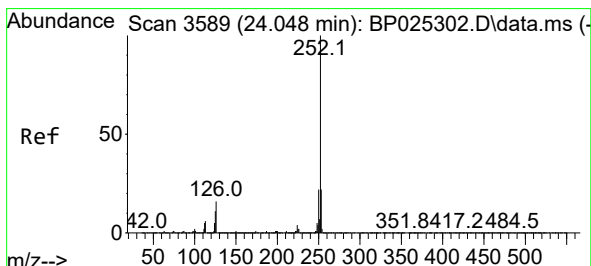
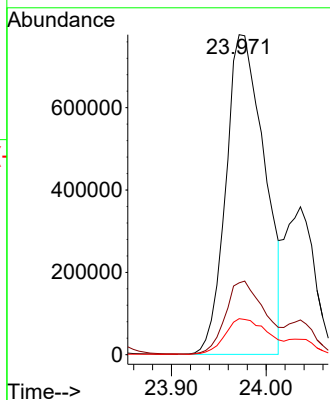
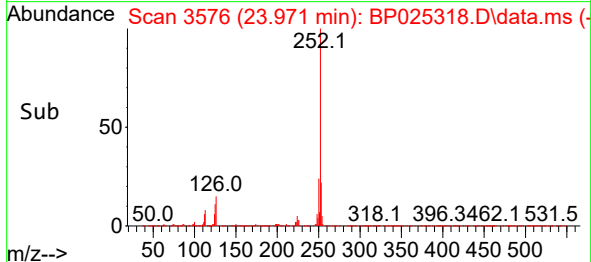
Instrument :
BNA_P
ClientSampleId :
224DL



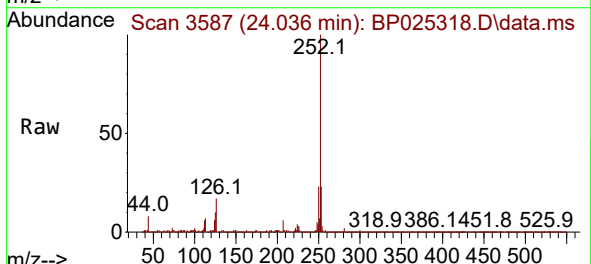
Tgt Ion:252 Resp: 219499
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 11.3 8.5 12.7

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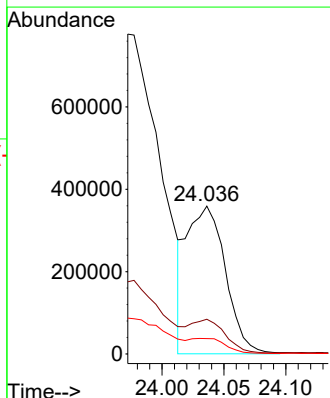
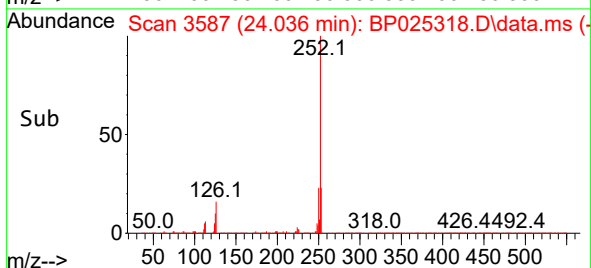
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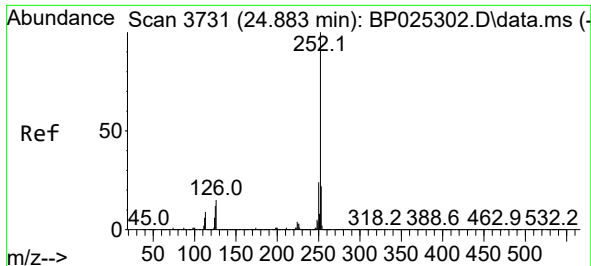


#89
Benzo(k)fluoranthene
Concen: 9.076 ng m
RT: 24.036 min Scan# 3587
Delta R.T. -0.012 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53



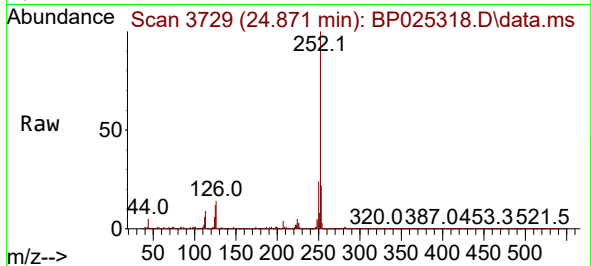
Tgt Ion:252 Resp: 777650
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 10.4 8.5 12.7





#90
Benzo(a)pyrene
Concen: 17.695 ng
RT: 24.871 min Scan# 31
Delta R.T. -0.012 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53

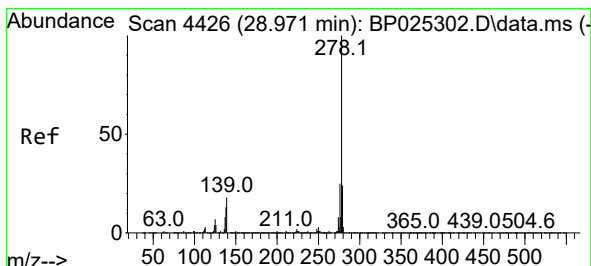
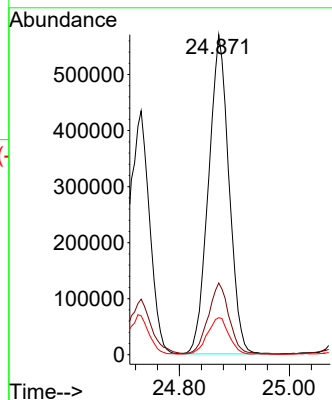
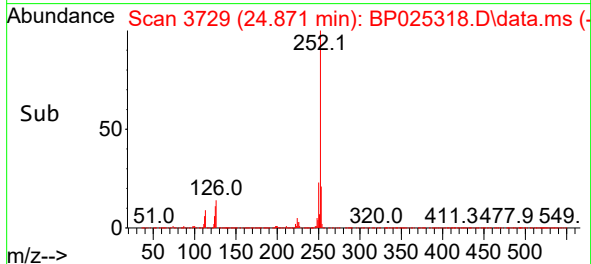
Instrument :
BNA_P
ClientSampleId :
224DL



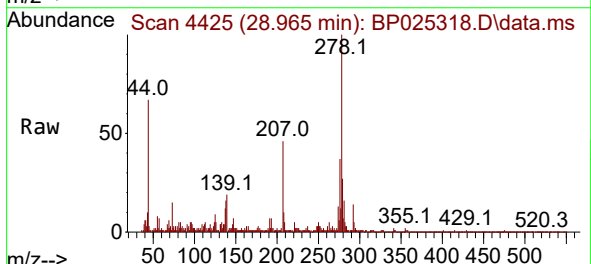
Tgt Ion:252 Resp: 1472834
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 11.5 9.4 14.0

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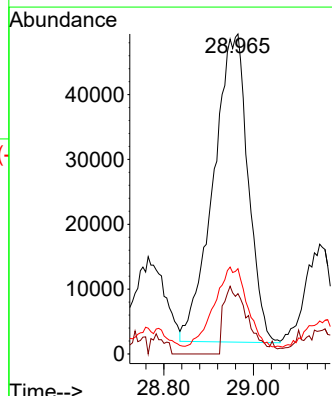
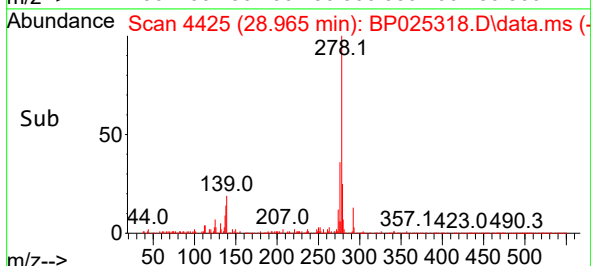
Reviewed By :Rahul Chavli 08/08/2025
Supervised By :Jagrut Upadhyay 08/11/2025

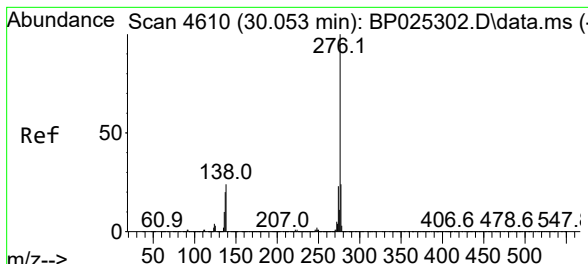


#91
Dibenzo(a,h)anthracene
Concen: 3.015 ng
RT: 28.965 min Scan# 4425
Delta R.T. -0.006 min
Lab File: BP025318.D
Acq: 07 Aug 2025 17:53



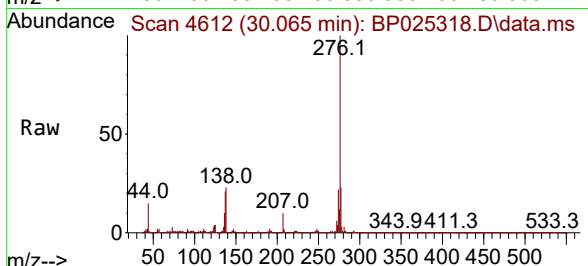
Tgt Ion:278 Resp: 255575
Ion Ratio Lower Upper
278 100
139 18.8 14.6 22.0
279 26.6 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 13.583 ng
 RT: 30.065 min Scan# 4612
 Delta R.T. 0.012 min
 Lab File: BP025318.D
 Acq: 07 Aug 2025 17:53

Instrument :
 BNA_P
 ClientSampleId :
 224DL



Tgt Ion: 276 Resp: 1129840
 Ion Ratio Lower Upper
 276 100
 277 23.5 19.3 28.9
 138 23.4 19.1 28.7

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 Supervised By :Jagrut Upadhyay 08/11/2025

